

CLAIMS

We claim:

1. Apparatus comprising:

an automated banking machine carrying out at least one transaction function;

5 at least one camera adjacent the banking machine, wherein the camera is operative to produce camera signals corresponding to images;

a computer including a server in operative connection with a data store, wherein the computer is in operative connection with the machine and the camera, and wherein the computer is operative to include image data corresponding to the camera signals in the data store responsive to the machine carrying out at least one transaction function;

10 at least one communication network in operative connection with the server; and

a user terminal including an output device in operative connection with the network, wherein the user terminal includes a browser, and wherein the user

terminal communicates with the server through the browser and is operative to output images corresponding to the image data through the output device.

2. The apparatus according to claim 1 wherein the banking machine is operative to provide cash, and wherein the computer is operative to include image data in the data store

5 responsive to the machine operating to provide cash.

3. The apparatus according to claim 2 wherein the data store includes instructions including data representative of a predetermined amount, and wherein the computer is operative to include image data in the data store when an amount of cash provided by the machine is at least the predetermined amount.

10 4. The apparatus according to claim 1 wherein the machine includes a plurality of transaction function devices, and wherein the computer is operative to include image data in the data store responsive to operation of each of a plurality of transaction function devices during a transaction.

15 5. The apparatus according to claim 1 and further comprising a plurality of cameras, and wherein the data store further comprises instructions including a sequence, wherein the computer is operative to sense lack of usable video from a first camera and to store image data from a second camera responsive to the sequence.

6. The apparatus according to claim 1 wherein the banking machine includes an input device, and wherein the input device receives input data through the input device, and wherein the banking machine carries out the transaction function responsive to the input data, and wherein the computer is operative to include in the data store transaction data corresponding to the input data.

5
7. The apparatus according to claim 6 wherein the user terminal is operative to process the transaction data with the browser, and to output indicia corresponding to the transaction data with the output images through the output device.

10
8. The apparatus according to claim 1 and further comprising a second camera, wherein the second camera produces second camera signals corresponding to a service area of the machine, and wherein the computer is operative to include in the data store image data corresponding to the second camera signals.

9. The apparatus according to claim 8 wherein the second camera is located in an interior of the automated banking machine.

15
10. The apparatus according to claim 8 wherein the data store further includes motion detection instructions, and wherein the computer is operative responsive to the motion detection instructions to include the image data corresponding to the second camera signals in the data store.

11. The apparatus according to claim 8 and further comprising a door, wherein opening the door is operative to provide access to the service area, and further comprising a sensor in operative connection with the door, and further comprising instructions in the data store, wherein the computer is operative responsive to the instructions and the sensor indicating that the door has been moved to an open condition, to include the image data corresponding to the second camera signals in the data store.

12. The apparatus according to claim 11 wherein the computer is further operative responsive to the instructions to send an e-mail message through the network.

13. The apparatus according to claim 1 wherein the data store includes instructions representative of a sequence, and wherein the computer is operative responsive to the sequence to include image data in the data store, and wherein the user terminal has in connection therewith a user terminal input device, and wherein the sequence is changeable through an input to the user terminal input device.

14. The apparatus according to claim 1 wherein the data store includes instructions for determining a time period during which the data store is expected to continue to accept additional data, and wherein the computer is operative responsive to the instructions to calculate such a time period.

15. The apparatus according to claim 14 wherein the instructions include message instructions for sending a message, and wherein the computer is operative responsive to the message instructions to send a message through the network wherein the message includes data representative of the time period.

5 16. The apparatus according to claim 14 wherein the data store includes a transaction history pattern, and wherein the computer calculates the time period responsive to the transaction history pattern.

10 17. The apparatus according to claim 1 wherein the server and data store are located within the banking machine.

18. The apparatus according to claim 1 wherein the camera signals are transmitted to the computer through a network.

19. The apparatus according to claim 1 and further comprising a camera server in operative connection with the camera, wherein the camera server is in operative connection with the computer.

15 20. The apparatus according to claim 1 and further comprising a plurality of cameras, and wherein a further network is in operative connection with the plurality of cameras and the

computer, wherein the plurality of cameras communicate with the computer through the further network.

21. The apparatus according to claim 20 wherein the further network includes a power supply network.

5 22. The apparatus according to claim 1 wherein the data store comprises a recording device having a removable storage medium, wherein the image data is recorded on the removable storage medium.

10 23. The apparatus according to claim 1 wherein the data store includes instructions for determining if an amount of image data in the data store is at a level, and further comprising a remote data store in operative connection with the network, wherein the computer is operative responsive to the amount of the image data being as great as the level, to transfer data through the network to the remote data store.

15 24. The apparatus according to claim 23 wherein the data store includes further instructions, wherein the computer is operative responsive to the further instructions to erase image data in the data store after transfer of such image data to the remote data store.

25. The apparatus according to claim 1 wherein the banking machine includes an imaging device, wherein the imaging device is operative to generate document image signals

corresponding to at least one appearance feature of documents input to the machine, and wherein the data store includes instructions, and the computer is further operative responsive to the instructions to include in the data store document image data corresponding to the document image signals.

5 26. The apparatus according to claim 25 wherein the document image data is stored in correlated relation with image data produced responsive to the camera signals.

10 27. The apparatus according to claim 25 wherein the data store includes further instructions, and the server is operative responsive to the further instructions to deliver the document image data through a network.

15 28. The apparatus according to claim 27 and further comprising a document verification terminal in operative connection with the network, and wherein the document verification terminal is in operative connection with a verification data store including data representative of indicia which is indicative of the genuineness of documents, and wherein the document verification terminal includes a further browser, and wherein the document verification terminal is operative to access the document image data through the server and to compare the document image data and the indicia from the verification data store.

29. The apparatus according to claim 28 wherein the indicia in the verification data store corresponds to written signatures, and wherein the document verification terminal is

operative to compare signatures in documents represented by the document image data, to data representative of the written signatures in the verification data store.

30. The apparatus according to claim 4 wherein the output device of the user terminal comprises a display, and wherein the display is operative to display a plurality of images corresponding to operation of the transaction function devices during the transaction, together in 5 a set on the display.

31. The apparatus according to claim 30 wherein the user terminal further comprises an input device, wherein the input device is selectively operative to select one of the images in a set, and wherein the user terminal is operative responsive to selection of one image in a set, to 10 display a larger version of the selected image on the display.

32. The apparatus according to claim 31 wherein the banking machine is operative to produce transaction data responsive to operation of at least one transaction function device, and wherein the computer is operative to store data representative of the transaction data in a data store in correlated relation with the corresponding image data, and wherein the transaction data is 15 accessed by the user terminal with the browser, and wherein the corresponding transaction data is output on the display of the user terminal with the selected image.

33. The apparatus according to claim 31 wherein the display includes an icon, and wherein selection of the first icon with the input device is operative to selectively cause images in a series of images to be made visible on the display.

34. The apparatus according to claim 33 and wherein the display comprises a first icon and a second icon, wherein selection of the first icon with the input device is operative to cause at least one image in a first direction in the series to be made visible and wherein selection of the second icon with the input device is operative to cause at least one image in a second direction in the series other than the first direction, to be made visible on the display.

35. The apparatus according to claim 33 wherein selection of the icon is operative to scroll through the series of images.

36. The apparatus according to claim 33 wherein the display comprises a first icon and a second icon, wherein selection of the first icon with the input device is operative to cause at least one image in the series disposed of a first number of images in the series from a currently displayed image, to be displayed on the display, and wherein selection of the second icon with the input device is operative to cause at least one image in the series disposed a second number of images in the series from a currently displayed image, to be displayed.

37. The apparatus according to claim 36 wherein the at least one image displayed responsive to the first icon and the at least one image displayed responsive to selection of the

second icon, are each disposed in a first direction in the series from the currently displayed image.

add
a2